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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/517,244	12/07/2004	Hiroyuki Morioka	112857-402	3110
29175 75	90 01/18/2006		EXAMINER	
BELL, BOYD & LLOYD, LLC P. O. BOX 1135			COOKE, COLLEEN P	
CHICAGO, IL 60690-1135			ART UNIT	PAPER NUMBER
ŕ			1754	<u></u>

DATE MAILED: 01/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
	10/517,244	MORIOKA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Colleen P. Cooke	1754			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timing apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. lely filed the mailing date of this communication O (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 07 No	ovember 2005.				
	action is non-final.				
3) Since this application is in condition for allowar		secution as to the merits is	3		
closed in accordance with the practice under E	•				
Disposition of Claims					
4)⊠ Claim(s) <u>27 and 28</u> is/are pending in the applic	ation.				
4a) Of the above claim(s) is/are withdray					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>27 and 28</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	r election requirement.				
Application Papers					
9) The specification is objected to by the Examine	r.				
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the B	Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct		•	d).		
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:		-(d) or (f).			
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
	,				
Attachment(s)	_				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)			

Response to Arguments

Applicant's arguments filed 11/7/05 have been fully considered but they are not persuasive.

The applicant appears to be arguing that Pecharsky et al. does not teach an aluminum hydride having the formula claimed. The applicant alleges that the hydrides of Pecharsky et al. are different in several ways – amount of hydrogen released, theoretical hydrogen capacity, hydrogen production rate, etc. and further that the teachings of Pecharsky et al. are too broad to meet the claims and that Pecharsky et al. effectively teaches away from the claimed invention

These arguments are not persuasive because Pecharsky et al. teaches specifically that the aluminum hydride may be AlH₃ specifically (see Column 4, line 14 as cited in the rejection) which meets the claimed formula. Not only are the characteristics or properties argued by the applicant to be different from that of Pecharsky et al. not claimed, but also it would appear that the material of Pecharsky et al. would inherently have these properties just as the instant invention would since they are the same material. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., amount of hydrogen released, theoretical hydrogen capacity, hydrogen production rate, etc.) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Lastly, it is unknown how the applicant can construe Pecharsky et al. as "teaching away" from the claimed invention when Pecharsky et al. anticipates the invention by teaching the hydride claimed (AlH₃ specifically).

Abstract

The amendments made to the abstract, filed 11/7/05, overcome the objection to the abstract made in the previous office action.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 27 and 28 are rejected under 35 U.S.C. 102(e) as being anticipated by Pecharsky et al. (6773692).

Pecharsky et al. disclose the instantly claimed hydrogen occluding material and the method of using the hydrogen occluding material. Pecharsky et al. disclose in col. 4, line 14 a solid hydride of formula AlH₃ and that the hydride releases hydrogen at temperature in the range from –200°C to about 100°C (See col. 4, line 65 to col. 5, line 5). Pecharsky et al. disclose the use of a catalyst in combination with the hydride, the catalyst selected from metals belonging to groups III to V of the periodic table (See col. 4, lines 42-52) and that the catalyst and hydride are powders (See col. 5, line 6). No difference is seen between the instantly claimed invention and Pecharsky et al.

Application/Control Number: 10/517,244 Page 4

Art Unit: 1754

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Colleen P Cooke whose telephone number is 571-272-1170. She can normally be reached Mon.-Thurs. 8am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, her supervisor, Stan Silverman can be reached at 571-272-1358. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Application/Control Number: 10/517,244 Page 5

Art Unit: 1754

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Colleen P Cooke Primary Examiner Art Unit 1754